Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No.1st & Final Bill

SBR No. 73/19-20 DATED 17-3-2020

Date.....2019

Division: Electricals (Yelahanka) Sub-Division: **Electricals**

EE/ELE/Y/BR No. 73/19-20 Dt. 17/3/2020

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :- 004-18-000088**

Schedule Docket No. Head of Account : P – Code: **P1517** D.R.No.

Name of Work :- **Maintenance and installation of New panel boards to the tubular/Highmasts Lights to the Yelahanka Zone.**

Name of Contractor and Full Address **M/s Mamatha Electricals,**

Reference to Agreement No:EE(Ele)YZ/WO/000055/ 2018-19 Date:- 13 / 02 /2019

Certified that the measurements were taken by me on 14/1/20 and recorded of Pages 256 to 703 of Measurement Book No. 2568/19-20 and that the work is satisfactorily executed.

For MAMATHA ELECTRICALS Proprietor

P.M. Nuna Swamy

Contractor

C.N. Reddy JE(Ele)

Officer-in-charge of work

Certified that the measurement were taken by me on 14/1/20 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Bill:- 283506:00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 2835:00 ✓
3)	" . Balance	LWC 1% 2835:00 ✓
4)	Deduct Payment:	ST 1% 284:00 ✓
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	Cost 1% 2532:00 ✓
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Cost 1% 2532:00 ✓
		Fine 5% 8505:00 ✓
		141175:00 ✓
		deductions:- ~~19523:00~~ 33698:00 ✓
5)	Balance being unpaid value of work done held in reserve.	Cheque:- ~~263983:00~~
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	249808:00 ✓
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

For MAMATHA ELECTRICALS

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

P.M. Nuna Swamy Proprietor

(For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

For MAMATHA ELECTRICALS Stamp Proprietor

P.M. Nuna Swamy

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payme

P1517 Lumpsum for Stud

ರೂ. 283506:00 ಮಾತ್ರ ಸ್ವೀಕರಿಸಿದೆ

ರೂ. ~~263983:00~~ 249808:00 ✓

ರೂ. ~~19523:00~~ 33698:00

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ಕಾ.ಪಾ.ಇ.(ಎ) ಯಲಹಂಕ ವಲಯ

Sl. No		Unit
	Name Of Work:- Maintenance and installation of New panel boards to the tubular/Highmasts Lights to the Yelahanka Zone	
1	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	Nos
2	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	Nos
3	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	Nos
4	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	Nos
5	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Nos
6	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole .8Mtr and above street light pole.	Nos
7	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Mtrs
8	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Mtrs
9	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	Sqcm
10	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Nos
11	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	Nos
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		5	378.00	1890.00	5	1890.00	
		5	279.00	1395.00	5	1395.00	
		5	909.00	4545.00	5	4545.00	
		5	207.00	1035.00	5	1035.00	
		3	1179.00	3537.00	3	3537.00	
		7	693.00	4851.00	7	4851.00	
		35	117.00	4095.00	35	4095.00	
		24	261.00	6264.00	24	6264.00	
		117956	0.27	31848.12	117956	31848.12	
		6	4005.00	24030.00	6	24030.00	
		4	50004.00	200016.00	4	200016.00	
				283506.12		**283506.12**	